

REPORT OF CHANNEL CONDITIONS
400 FEET WIDE OR GREATER
(ER 1130-2-306)

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DATE: March 25, 2009

TO: The Record

FROM: U.S. Army Corps of Engineers
26 Federal Plaza, ATTN: CENAN-OP-ST
New York, NY 10278-0090

RIVER/HARBOR NAME AND STATE:

Bay Ridge and Red Hook Channels, New York

**MINIMUM DEPTHS IN
CHANNEL ENTERING FROM SEAWARD**

| NAME OF CHANNEL | DATE OF SURVEY | AUTHORIZED PROJECT | | | LEFT OUTSIDE QUARTER (feet) | LEFT INSIDE QUARTER (feet) | RIGHT INSIDE QUARTER (feet) | RIGHT OUTSIDE QUARTER (feet) |
|---|---|--------------------|-----------------|--------------|-----------------------------|----------------------------|-----------------------------|------------------------------|
| | | WIDTH (feet) | LENGTH (nmiles) | DEPTH (feet) | | | | |
| Reach A: Bay Ridge Channel (channel mile 0 - 1) - Begins at Anchorage Channel; Ends at Bay Ridge Ave (approx. 1,800 ft seaward of Green #5) | Map 134 Pg 1 of 4; 7,12-13,15, 21-23 Dec 2008, 26-27 Jan 2009 | 1,200 | 0.87 | 40 | 42.0 | 41.1 | 41.5 | 35.1 |
| Reach B: Bay Ridge Channel (channel mile 1 - 3) - Begins at Bay Ridge Ave (approx. 1,800 ft seaward of Green #5); Ends at Red Hook Channel (Green #9) | Map 134 Pg 1-3 of 4 7,12-13,15, 21-23 Dec 2008, 26-27 Jan 2009 | 1,200- 1,750 | 1.63 | 40 | 20.9 | 28.5 | 33.5 | 18.3 |
| Reach C: Bay Ridge Channel (Gowanus Creek Section) - Begins at the junction of Bay Ridge Channel and Red Hook Channel; Ends at Gowanus Creek in line of 28 th Street (Brooklyn) | Map 134 Pg 3 of 4 7,12-13,15, 21-23 Dec 2008, 26-27 Jan 2009 | 1,600- 500 | 0.51 | 40 | 24.8 | 27.4 | 27.5 | 24.8 |
| Reach D: Red Hook Channel (channel mile 3 - 4) - Begins at the end of Bay Ridge Channel (Green #9); Ends at Buttermilk Channel (2,450 ft landward of Green #11) | Map 134 Pgs 3-4 of 4 7,12-13,15, 21-23 Dec 2008, 26-27 Jan 2009 | 1,200 | 0.54 | 40 | 21.9 | 35.2 | 37.7 | 28.2 |

REMARKS:

- All depths in MLW.
- Channel length is in nautical miles.
 - **Reach A:** - There is approximately 100 ft. wide continuous shoaling on the east edge of the right outside quarter of the channel for approximately 2,000 feet.
 - **Reach B:** - Shoaling exists across the entire width of the channel in the majority of Reach B. There is a shoal obstruction at a depth of 18.3 feet in the right outside quarter across the channel from Green #5.
 - **Reach C:** - Shoaling exists in 90% of Reach C.
 - **Reach D:** - Shoaling continuing from Reach C covers the left outside quarter and extends approximately 120 ft into the left inside quarter for most of this reach.
 - Continuous shoaling, maximum width of 200 feet exists in the right outside quarter along the entire length of the eastern channel limit.
 - Several spot shoals exist across the entire channel section in the area beginning 2,000 feet south of the northernmost channel limit.